

METHOD AND SYSTEM FOR SELF-TESTING A LINE CARD

ABSTRACT OF THE DISCLOSURE

According to one embodiment of the invention, a method for self-testing a portion of a line card having a digital signal processor for manipulating data received by the line card, and a transmit channel and a receive channel coupled to a combined transmit and receive channel includes transmitting a test signal through at least a portion of the transmit channel toward the combined channel and detecting, by the digital signal processor any resulting signal in the receive channel to determine whether any components in the transmit channel, receive channel or combined channel are malfunctioning.